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FILE 'CABA' ENTERED AT 14:28:47 ON 19 JAN 2006 COPYRIGHT (C) 2006 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 14:28:47 ON 19 JAN 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE 'BIOTECHNO' ENTERED AT 14:28:47 ON 19 JAN 2006 COPYRIGHT (C) 2006 Elsevier Science B.V., Amsterdam. All rights reserved.

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- L2 ANSWER 1 OF 9 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 1
 TI Characterisation of CaaX-prenyltransferases in Catharanthus roseus:
 relationships with the expression of genes involved in the early stages of
 monoterpenoid biosynthetic pathway.
- ANSWER 2 OF 9 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN Anti-tumor activity of the farnesyl-protein transferase inhibitors arteminolides, isolated from Artemisa
- L2 ANSWER 3 OF 9 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN Protein prenyltransferases: Anchor size, pseudogenes and parasites
- L2 ANSWER 4 OF 9 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN Microbial/enzymatic synthesis of chiral intermediates for pharmaceuticals
- 12 ANGHER F OF A PLOTECTINA COPYRIGHT 2006 Flavoring Calons R. V. on CTN
- L2 ANSWER 5 OF 9 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN Inhibition of tumor growth by S-3-1, a synthetic intermediate of salvianolic acid A
- L2 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Inhibition of farmesyltransferase activity in plants and transgenic plants producing farmesyltransferase inhibitors .
- L2 ANSWER 7 OF 9 CABA COPYRIGHT 2006 CABI on STN
- TI Metabolism of farnesyl diphosphate in tobacco BY-2 cells treated with squalestatin.
- L2 ANSWER 8 OF 9 MEDLINE on STN DUPLICATE 2
- TI TAN-1813, a novel Ras-farnesyltransferase inhibitor produced by Phoma sp. taxonomy, fermentation, isolation and biological activities in vitro and in vivo.
- L2 ANSWER 9 OF 9 MEDLINE on STN DUPLICATE 3
- TI Protein farnesyltransferase in plants: molecular characterization and involvement in cell cycle control.

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    Schroeder, Julian I.; Pei, Zhen-Ming
ΙN
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    Role of farnesyltransferase in ABA regulation of guard cell
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     Role of farnesyltransferase in ABA regulation of guard cell
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     Comment in: Science. 1998 Oct 9;282(5387):252-3. PubMed ID: 9841390
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     Pei Z M; Ghassemian M; Kwak C M; McCourt P; Schroeder J
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     Department of Biology and Center for Molecular Genetics, University of
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     California, San Diego, La Jolla, CA 92093-0116, USA.
     Science, (1998 Oct 9) 282 (5387) 287-90.
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     Journal code: 0404511. ISSN: 0036-8075.
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     Hypersensitivity of abscisic acid-induced cytosolic calcium increases in
TΙ
     the Arabidopsis farnesyltransferase mutant era1-2.
L11 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
     Stable expression of a 5' 400 bp anti-sense of the beta subunit of
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L15 ANSWER 1 OF 13 MEDLINE on STN DUPLICATE 1

TI Protein geranylgeranyltransferase I is involved in specific aspects of abscisic acid and auxin signaling in Arabidopsis.

L15 ANSWER 2 OF 13 MEDLINE on STN DUPLICATE 2

- TI Molecular tailoring of farnesylation for plant drought tolerance and yield protection.
- L15 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Limiting expression of Arabidopsis thaliana **ERA1** gene encoding farnesyl transferase for improved drought tolerance and delayed senescence in transgenic plants
- L15 ANSWER 4 OF 13 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN TI The role of prenylation in plant development.
- L15 ANSWER 5 OF 13 MEDLINE on STN DUPLICATE 3
- TI The ABSCISIC ACID INSENSITIVE 3 (ABI3) gene is modulated by farnesylation and is involved in auxin signaling and lateral root development in Arabidopsis.
- L15 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Use of Arabidopsis thaliana ERA1 gene encoding farnesyl transferase for improved drought tolerance and delayed senescence in transgenic plants
- L15 ANSWER 7 OF 13 BIOTECHNO COPYRIGHT 2006 Elsevier Science B.V. on STN
- TI The ULTRAPETALA gene controls shoot and floral meristem size in Arabidopsis
- L15 ANSWER 8 OF 13 MEDLINE on STN DUPLICATE 4
- TI Cloning of the Arabidopsis WIGGUM gene identifies a role for farnesylation in meristem development.
- L15 ANSWER 9 OF 13 MEDLINE on STN DUPLICATE 5
- TI Functional requirement of plant farnesyltransferase during development in Arabidopsis.
- L15 ANSWER 10 OF 13 MEDLINE on STN DUPLICATE 6
- TI Prenylation of the floral transcription factor APETALA1 modulates its function.

=> d 115 1-10 bib

L15 ANSWER 1 OF 13 MEDLINE on STN DUPLICATE 1

AN 2005544062 MEDLINE

DN PubMed ID: 16183844

TI Protein geranylgeranyltransferase I is involved in specific aspects of abscisic acid and auxin signaling in Arabidopsis.

AU Johnson Cynthia D; Chary S Narasimha; Chernoff Ellen A; Zeng Qin; Running Mark P; Crowell Dring N

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Department of Biology, Indiana University-Purdue University, Indianapolis,
CS
     46202-5132, USA.
     Plant physiology, (2005 Oct) 139 (2) 722-33. Electronic Publication:
SO
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     Journal code: 0401224. ISSN: 0032-0889.
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    McArthur Charlene; Uchacz Tina; Sarvas Carlene; Wan Jiangxin; Dennis David
     T; McCourt Peter; Huang Yafan
     Performance Plants, Inc., Bioscience Complex, Queen's University,
CS
     Kingston, ON, Canada K7L 3N6.
     The Plant journal : for cell and molecular biology, (2005 Aug) 43 (3)
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     Variation. print.
     Publisher: American Society of Plant Biologists, 15501 Monona Drive,
     Rockville, MD, 20855-2768, USA.
     Meeting Info.: Plant Genetics Meeting on Mechanisms of Genetic Variation.
     Snowbird, UT, USA. October 22-26, 2003. American Society of Plant
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U.S. Pat. Appl. Publ., 26 pp., Cont.-in-part of U.S. Ser. No. 124,867.

SO

CODEN: USXXCO

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      J.C. Fletcher, USDA Plant Gene Expression Center, UC Berkeley Dept. of
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      E-mail: jfletcher@pgec.ars.usda.gov
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     Cloning of the Arabidopsis WIGGUM gene identifies a role for farnesylation
     in meristem development.
ΑU
     Ziegelhoffer E C; Medrano L J; Meyerowitz E M
     Division of Biology 156-29, California Institute of Technology, Pasadena,
CS
     CA 91125, USA.
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     Proceedings of the National Academy of Sciences of the United States of
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     America, (2000 Jun 20) 97 (13) 7633-8.
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DUPLICATE 5 L15 ANSWER 9 OF 13 MEDLINE on STN AN 2001047790 MEDLINE PubMed ID: 10948248 DN Functional requirement of plant farnesyltransferase during ΤI development in Arabidopsis. Yalovsky S; Kulukian A; Rodriguez-Concepcion M; Young C A; Gruissem W ΑU Department of Plant and Microbial Biology, University of California, CS Berkeley, California 94720-3102, USA. Plant cell, (2000 Aug) 12 (8) 1267-78. SO Journal code: 9208688. ISSN: 1040-4651. CY United States Journal; Article; (JOURNAL ARTICLE) DТ LΑ English Priority Journals FS 200012 EMEntered STN: 20010322 ED Last Updated on STN: 20010322 Entered Medline: 20001214 L15 ANSWER 10 OF 13 MEDLINE on STN DUPLICATE 6 2001047789 MEDLINE ΔN DN PubMed ID: 10948247 Prenylation of the floral transcription factor APETALA1 modulates its TТ function. Yalovsky S; Rodriguez-Concepcion M; Bracha K; Toledo-Ortiz G; Gruissem W ΑU Department of Plant and Microbial Biology, University of California, CS Berkeley, California 94720-3102, USA. Plant cell, (2000 Aug) 12 (8) 1257-66. SO Journal code: 9208688. ISSN: 1040-4651. CY United States Journal; Article; (JOURNAL ARTICLE) DT LΑ English FS Priority Journals 200012 EM Entered STN: 20010322 ED Last Updated on STN: 20010322 Entered Medline: 20001214 => d 115 11-13 ti L15 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN Arabidopsis farnesyl transferase gene ERA1 Тī and preparation of plants displaying stress tolerance and delayed senescence L15 ANSWER 12 OF 13 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 7 The genetic and molecular dissection of abscisic acid biosynthesis and TΤ signal transduction in Arabidopsis. L15 ANSWER 13 OF 13 MEDLINE on STN DUPLICATE 8 A protein farnesyl transferase involved in abscisic TI acid signal transduction in Arabidopsis. => d 115 11-13 bib L15 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN AN 1999:113830 CAPLUS DN ΤI Arabidopsis farnesyl transferase gene ERA1 and preparation of plants displaying stress tolerance and delayed senescence Mccourt, Peter; Ghassemian, Majid; Cutler, Sean; Bonetta, Dario ΙN

Performance Plants, Inc., Can.

PCT Int. Appl., 66 pp.

CODEN: PIXXD2

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     1998:72097 CABA
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     The genetic and molecular dissection of abscisic acid biosynthesis and
     signal transduction in Arabidopsis
     Koornneef, M.; Leon-Kloosterziel, K. M.; Schwartz, S. H.; Zeevaart, J. A.
ΑU
CS
     Department of Genetics, Wageningen Agricultural University, Dreijenlaan 2,
     6703 HA, Wageningen, Netherlands.
SO
     Plant Physiology and Biochemistry (Paris), (1998) Vol. 36, No. 1/2, pp.
     83-89. 44 ref.
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     A protein farnesyl transferase involved in abscisic
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     Cutler S; Ghassemian M; Bonetta D; Cooney S; McCourt P
CS
     Department of Botany, University of Toronto, 25 Willcocks Street, Toronto,
     Canada, M5S 3B2.
SO
     Science, (1996 Aug 30) 273 (5279) 1239-41.
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5154 S (SCHROEDER, J? OR SCHROEDER J?)/AU

771 S (PEI, Z? OR PEI Z?)/AU

64 S L3 AND L4 5861 S L3 OR L4

6 S L5 AND (FARNESYLTRANSFERASE OR FARNESYL(W)TRANSFERASE)

2 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)

L9 5797 S L6 NOT L5 L10 6 S L9 AND (FA

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226 S ERA1 OR ERA(W)1

57 S (FARNESYLTRANSFERASE OR FARNESYL(W) TRANSFERASE) AND L12

L14 46 S L13 NOT L6

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L18 ANSWER 1 OF 8 MEDLINE on STN DUPLICATE 1

TI Molecular tailoring of farnesylation for plant drought tolerance and yield protection.

L18 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

TI Limiting expression of Arabidopsis thaliana ERA1 gene encoding farnesyl transferase for improved drought tolerance and delayed senescence in transgenic plants

L18 ANSWER 3 OF 8 MEDLINE on STN DUPLICATE 2

TI The ABSCISIC ACID INSENSITIVE 3 (ABI3) gene is modulated by farnesylation and is involved in auxin signaling and lateral root development in Arabidopsis.

L18 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

TI Use of Arabidopsis thaliana ERA1 gene encoding farnesyl transferase for improved drought tolerance and delayed senescence in transgenic plants

L18 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

I Arabidopsis **farnesyl transferase** gene ERA1 and preparation of plants displaying stress tolerance and delayed senescence

L18 ANSWER 6 OF 8 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN

TI Protein farmesylation in plants: a greasy tale.

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MEDLINE on STN
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     Role of farnesyltransferase in ABA regulation of guard cell
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     anion channels and plant water loss.
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     Molecular tailoring of farnesylation for plant drought tolerance and yield
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     Wang Yang; Ying Jifeng; Kuzma Monika; Chalifoux Maryse; Sample Angela;
ΑU
     McArthur Charlene; Uchacz Tina; Sarvas Carlene; Wan Jiangxin; Dennis David
     T; McCourt Peter; Huang Yafan
     Performance Plants, Inc., Bioscience Complex, Queen's University,
CS
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     The Plant journal: for cell and molecular biology, (2005 Aug) 43 (3)
SO
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     Limiting expression of Arabidopsis thaliana ERA1 gene encoding
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     McCourt, Peter; Ghassemian, Majid; Cutler, Sean; Bonetta, Dario
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     The ABSCISIC ACID INSENSITIVE 3 (ABI3) gene is modulated by farnesylation
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     and is involved in auxin signaling and lateral root development in
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     Brady Siobhan Mary; Sarkar Sara F; Bonetta Dario; McCourt Peter
AU
     Department of Botany, University of Toronto, 25 Willcocks St, Toronto,
CS
     Canada M5S 3B2.
     Plant journal: for cell and molecular biology, (2003 Apr) 34 (1) 67-75.
SO
     Journal code: 9207397. ISSN: 0960-7412.
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     (2006) on STN
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    Protein farmesylation in plants: a greasy tale.
    Nambara, E.; McCourt, P.
    University of Toronto, Toronto, Canada.
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     Current opinion in plant biology, Oct 1999. Vol. 2, No. 5. p. 388-392
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     Pei Z M; Ghassemian M; Kwak C M; McCourt P; Schroeder J I
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     Science, (1998 Oct 9) 282 (5387) 287-90.
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L18 ANSWER 8 OF 8
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     acid signal transduction in Arabidopsis.
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     (FILE 'HOME' ENTERED AT 14:28:35 ON 19 JAN 2006)
     FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
     14:28:47 ON 19 JAN 2006
L1
             18 S FARNESYLTRANSFERASE(P) PLANT(P) (INHIBIT OR INHIBITOR)
L2
              9 DUPLICATE REMOVE L1 (9 DUPLICATES REMOVED)
L3
           5154 S (SCHROEDER, J? OR SCHROEDER J?)/AU
            771 S (PEI, Z? OR PEI Z?)/AU
L4
L5
             64 S L3 AND L4
L6
           5861 S L3 OR L4
Ļ7
              6 S L5 AND (FARNESYLTRANSFERASE OR FARNESYL(W)TRANSFERASE)
              2 DUPLICATE REMOVE L7 (4 DUPLICATES REMOVED)
L8
           5797 S L6 NOT L5
L9
L10
              6 S L9 AND (FARNESYLTRANSFERASE OR FARNESYL(W) TRANSFERASE)
L11
              2 DUPLICATE REMOVE L10 (4 DUPLICATES REMOVED)
L12
            226 S ERA1 OR ERA(W)1
L13
            57 S (FARNESYLTRANSFERASE OR FARNESYL(W) TRANSFERASE) AND L12
             46 S L13 NOT L6
L14
L15
             13 DUPLICATE REMOVE L14 (33 DUPLICATES REMOVED)
            249 S (MCCOURT, P? OR MCCOURT P?)/AU
L16
L17
             25 S L16 AND (FARNESYLTRANSFERASE OR FARNESYL(W)TRANSFERASE)
L18
              8 DUPLICATE REMOVE L17 (17 DUPLICATES REMOVED)
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=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
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FULL ESTIMATED COST

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